

**CITY OF LINCOLN  
COUNTY OF LANCASTER**

Vince M. Mejer  
Purchasing Agent

(402) 441-7410 FAX: (402) 441-6513  
purchasing@lincoln.ne.gov

**QUOTATION REQUEST**

Quote Prices F.O.B. Destination  
Lincoln, Nebraska

Date - 1/31/06  
Order No. - 1732 OQ  
Date Due - 02/09/06

**QUOTATIONS MUST BE RECEIVED IN  
THE PURCHASING DIVISION OFFICE BY  
THE DUE DATE SPECIFIED ABOVE**

PLEASE MAKE NECESSARY VENDOR  
INFORMATION CORRECTIONS ON THIS FORM:

**VENDOR INFORMATION**

**Return Quotation Request To:**

Purchasing Division  
K-Street Complex  
440 S 8th St Ste 200  
Lincoln NE 68508  
Kopplin, Tom - Quotes

Buyer

7 pgs.

Item Number /	Description	Quantity	UM	Unit Price	Total Price
05557700000	LIGHT BAR ASSY	4	EA		

FEDERAL SIGNAL ARJENT SL LED 44" LIGHTBAR  
MODEL #582004-00843 PER ATTACHED LINCOLN POLICE DEPT. SPECS.

Contract Extension Renewal is an option: Yes ☐ No ☐

TERM PRICE CLAUSE: BIDDER MUST STATE:

- (a) Bid prices firm for the full contract period: \_\_\_\_\_; or  
(b) Bid prices subject to escalation/de-escalation: \_\_\_\_\_.  
(c) If (b), state period for which prices will remain firm  
Through \_\_\_\_\_.

COMPANY REPRESENTATIVE responsible for the administration  
of this Agreement:

NAME: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
PHONE NO. \_\_\_\_\_

Please fax your quotation back to us by 4:30 p.m. on the  
above referenced date. Fax to attention of Debbie Winkler  
at 402/441-6513.

**VENDOR MUST COMPLETE THE FOLLOWING**

The undersigned represents and warrants that he/she has full and complete authority to submit this quotation and to enter into a contract upon acceptance by the City/County. The undersigned agrees to comply with all conditions above and on reverse side of this document.

COMPANY NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
TELEPHONE \_\_\_\_\_  
FAX \_\_\_\_\_  
EMAIL ADDRESS \_\_\_\_\_

BY (PRINT NAME) \_\_\_\_\_  
SIGNATURE \_\_\_\_\_  
TITLE \_\_\_\_\_  
DATE \_\_\_\_\_  
DELIVERY SCHEDULE \_\_\_\_\_

DAYS ARO

**LINCOLN POLICE DEPARTMENT**  
**FEDERAL SIGNAL CORPORATION SPECIFICATION**  
**ARJENT SL LED LIGHTBAR**

**1. SCOPE**

This specification describes the minimum requirements for a low profile elliptically shaped single level visual warning system for emergency vehicles. The lightbar system shall utilize Solaris reflector LED based technology.

**2. PRIMARY WARNING**

2.1 Light Emitting Diode (LED) light heads shall consist of Solaris reflector modules utilizing LumiLed Luxeon™ brand high-flux Generation III technology. Each Solaris reflector module assembly shall consist an offset reflector light housing, a PCBA, and a mounting plate assembly. Solaris reflector modules shall be available in red, blue, and amber LED's. A total of six red Solaris modules, six blue Solaris modules and five amber Solaris modules shall be included. The total number of Gen3 lamp diodes shall be one hundred and eight (108).

2.2 Solaris reflector modules shall be field replaceable and shall meet the approval of the following specifications: SAE 595 light output, SAE 1113/41 RFI, CAC Title 13, Article 22 light output, and FCC Part 15, RFI. No exceptions will be allowed.

2.4 Solaris reflector modules shall be factory wired to the Intelli-Flash™ electronic flasher module. The Intelli-Flash™ is capable of producing eight (8) selectable flash patterns and two modes of operation. Modes 1 & 2 provide preset flash patterns that can be activated for various stages of the emergency vehicle's warning light levels of operation, including steady burn LED light heads. The Intelli-Flash™ system shall be solid-state technology. No exceptions.

2.5 A minimum of one pair of internally mounted alley lights shall be installed at the ends of the lightbar. Each alley light fixture shall use the minimum of a SAE compliant 35-watt halogen MR-11 style lamp, no exceptions. Each alley light fixture must have a polished reflector and must be adjustable  $\pm 10$  degrees on a horizontal plane. Each adjustment

location shall be made secured upon making the adjustment with a positive locking device built in to the assembly of the alley light - no exception. A flashing option shall be installed for alley light pairs.

2.6 A minimum of one pair of internally mounted takedown lights shall be installed and face forward. Each takedown light fixture must have at least 5.25 square inches of polished parabolic reflective surface area and use a minimum of a SAE compliant 50-watt halogen GH-8 style lamp, no exceptions. This will insure proper officer/user safety by projecting the brightest and most direct focused clear-white light source available. A flashing option shall be installed for takedown light pairs.

### **3. SIGNALMASTER™**

3.1 A six-lamp LED SignalMaster™ traffic management device shall be installed in the rear of the lightbar. Light heads shall consist of six amber Solaris reflector modules. When used with the appropriate SignalMaster™ control, this device shall produce three distinct signals: left arrow sweep, right arrow sweep, and center out. LED light heads must meet the approval of the following specifications: SAE 595 light output, SAE 1113/41 RFI, CAC Title 13, Article 22, and FCC Part 15.

### **4. HOUSING**

4.1 The solid aluminum extrusion shall be of a 1/8" minimum thickness design to provide strength and durability without excessive weight. Mounting feet, power supplies, and bases for light mechanisms attach directly to the extrusion's integrated mounting channel which provides a well-secured mounting platform.

4.2 The lightbar housing shall be molded polycarbonate for durability and strength. All three domes shall be secured to the lower section by use of machine screws fastened into a brass insert molded into the lower level of the lightbar. A gasket shall be about all external perimeters for a weatherproof seal. The upper level dome must incorporate a honeycomb-molded design to maximize strength and reinforcement for the internal lightbar components from unforeseen impacts. Upper level domes shall be red (driver), clear (center), and blue (passenger).

### **5. MOUNTING BRACKETS**

5.1 A hook-on mounting bracket with stainless steel hardware must be included. For hook-on mounts, a hook kit shall be included for vehicles

with and without gutters. The mounting bracket must allow both pitch and height adjustment of the lightbar on the roof of the emergency vehicle, no exceptions. For convenience to the end user, and for shipping purposes, and to further aid in the speed of installation, the factory installs the mounting legs to the base extrusion of the lightbar at a preset distance apart. Mounting legs may be readjusted by the installer to meet a varying roof width requirement of the specified vehicle. No exceptions. Mounting legs shall be black in color.

## **6. ELECTRICAL**

Total current requirements (rated in amperes) at 12.8 VDC shall not exceed:

Solaris LED assembly	0.70A
Alley light	2.5A
Takedown light	3.9A

## **7. DIMENSIONS**

The Arjent SL™ lightbar shall have maximum dimensions of 3.8” in height, 18.2” in width, 44” in overall length, and weigh 35 pounds.

## **8. WARRANTY**

The warranty period shall be three years parts replacement and one-year labor coverage. LED components shall be covered by five years parts replacement and one-year labor coverage.

## **9. PRODUCT REFERENCE**

The lightbar shall be manufactured by the Federal Signal Corporation and must be the Arjent SL™ model 582004-00843.

## SPECIFY ALL OPTIONS ORDER SHEET



## Arjent SL LED Lightbar 44"

Includes 2 "Intelli-flash" Flashers and internal wiring sunscreen.

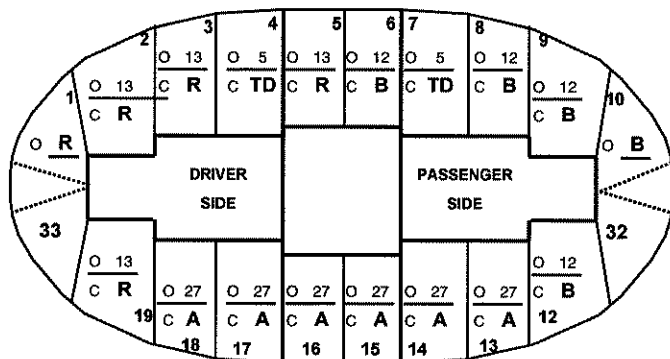
## COLORS

A = Amber

B = Blue

R = Red

W = White



## Notes:

LEDs mounted in sections 1/10 and 11/20 are directed 45° off center (directed to off axis)

LEDs mounted in sections 2/9 and 12/19 are 20° off center (directed to off-axis)

## How to Order:

1. Fill in lightbar using reference numbers from options list.

2. Select dome color; Driver Side R Center C Passenger Side B3. Note Mount Kit (N/C) XAHK-SC

- XAHKN-SC Hook-on mount-neutral foot

- XAHK-SC Hook-on mount-black foot

- XAPKN Permanent mount kit-neutral foot

- XAPK Permanent mount kit-black foot

- XAFM Flat mount kit for mount on horizontal surfaces

4. If ordering XAHKN-SC/XAHK-SC, select gutterless adapter (if required): HK- CV92

5. Fax to FS Customer Support at 800/682-8022.

## Arjent SL LED Lightbar 44"

MODEL NUMBER: 582004-00843 (assigned by Federal Signal)

## BASE PRICE:

Qty	Ref. Code	Option	Description	Position
	1	None	No Option specified	ALL
	31	XCALC6-A	1-35 watt Non-Flashing Alley Light & 1-6LED Flashing Amber Solaris *	11,20
1	32	XCALC6-B	1-35 watt Non-Flashing Alley Light & 1-6LED Flashing Blue Solaris *	11,20
1	33	XCALC6-R	1-35 watt Non-Flashing Alley Light & 1-6LED Flashing Red Solaris *	11,20
	34	XCALC6-W	1-35 watt Non-Flashing Alley Light & 1-6LED Flashing White Solaris *	11,20
1	35	XCFALC6	Flashing Alley Lights Option	
	4	XCTDS	1 Pair of Takedown Lights	4-7,12-19
1	5	XCFT2S	1 Pair of Flashing Takedown Lights	4-7
	38	XC1LSTT	1 Pair of Stop-Tail-Turn Lights, Red Solaris	13,18
	39	XCWLS	1 Pair of Work Lights	13/18,14/17,15/16
	11	XC1LC6-A	6-LED Flashing Gen3 Amber Solaris	ALL
5	12	XC1LC6-B	6-LED Flashing Gen3 Blue Solaris	ALL
5	13	XC1LC6-R	6-LED Flashing Gen3 Red Solaris	ALL
	14	XC1LC6-W	6-LED Flashing Gen3 White Solaris	ALL
	15	XC1LC9-A	9-LED Flashing Gen3 Amber Solaris **	3/4,7/8,13/14,17/18
	16	XC1LC9-B	9-LED Flashing Gen3 Blue Solaris **	3/4,7/8,13/14,17/18
	17	XC1LC9-R	9-LED Flashing Gen3 Red Solaris **	3/4,7/8,13/14,17/18
	18	XC1LC9-W	9-LED Flashing Gen3 White Solaris **	3/4,7/8,13/14,17/18
	19	XC1SLC6-A	6-LED Steady Gen3 Amber Solaris	3-8
	20	XC1SLC6-B	6-LED Steady Gen3 Blue Solaris	3-8
	21	XC1SLC6-R	6-LED Steady Gen3 Red Solaris	3-8
	22	XC1SLC6-W	6-LED Steady Gen3 White Solaris	3-8
	23	XC1SLC9-A	9-LED Steady Gen3 Amber Solaris **	3/4,7/8
	24	XC1SLC9-B	9-LED Steady Gen3 Blue Solaris **	3/4,7/8
	25	XC1SLC9-R	9-LED Steady Gen3 Red Solaris **	3/4,7/8
	26	XC1SLC9-W	9-LED Steady Gen3 White Solaris **	3/4,7/8
1	27	XCSM6C	6 Head SignalMaster 6-LED Amber Solaris ***	13-18
	36	XCSM6CF	6 Head SignalMaster 6-LED Amber Solaris ( Front Facing ) ***	3-8
	28	XCSM8C	8 Head SignalMaster 6-LED Amber Solaris ***	12-19
	37	XCSM8C	8 Head SignalMaster 6-LED Amber Solaris ( Front Facing ) ***	2-9

\* Alley Lights: Selection of alley light options 31-34 for rear sections 11 or 20 also requires the selection of a 6-LED option for front sections 10 or 1.

\*\* 9-LED assemblies utilize (2) sections.

\*\*\* Order SignalMaster Controller Separately

## TOTAL LIST:

Contact Information	
<b>Lincoln Police Department</b>	
Contact Name	Date
<b>Pat Wenzl</b>	<b>1/30/06</b>
Phone #	Fax #
<b>402/441-7693</b>	
Quote/P.O. #	Ref.
CSR Initials	Date
<b>BUNKER</b>	
FS Sales Person	

FEDERAL SIGNAL CORPORATION  
Emergency Products

2645 Federal Signal Drive, University Park, IL60466-3195 • Tel.: (800) 264-3578 • Fax: (800) 682-8022 • Web: www.fedsig.com

**PURCHASING DIVISION  
CITY OF LINCOLN AND LANCASTER COUNTY, NEBRASKA  
INSTRUCTIONS TO BIDDERS**

1. **BIDDING PROCEDURE** - A bid by a corporation must be signed in the name of such organization by a duly authorized official thereof. Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization. Most departments of the City of Lincoln and Lancaster County agencies are exempt from federal excise taxes and state and local sales and use taxes. Kindly bid without taxes. The City/County will be responsible for paying any taxes which may be due.
2. **FAIR EMPLOYMENT PRACTICES** - Each bidder agrees that he/she will not discriminate against any employee or applicant for employment because of age, race, color, religion, ancestry, national origin, disability, sex or marital status, and that he will take affirmative action to assure that applicants are employed and that employees are treated during employment without regard to age, race, color religion, ancestry, national origin, disability, sex or marital status.
3. **DATA PRIVACY** - Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, patents and patent rights. The bidder agrees to hold the City/County harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.
4. **INDEPENDENT PRICE DETERMINATION** - By signing and submitting this bid, the bidder certifies that: The prices in this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
5. **CLARIFICATION OF SPECIFICATION DOCUMENTS** - Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents. Interpretations, corrections and changes made to the specification documents will be made by written addenda. Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the City/County; and bidders shall not rely upon such interpretations or changes. No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except: An addendum withdrawing or postponing the invitation to bid.
6. **BRAND NAMES** - If and wherever in the material specifications or proposal form brand names, make, manufacturer, trade name, or vendor catalog number is specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow. It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the City/County that said item is equal to or better than the product specified. If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the City/County's specifications.
7. **DEMONSTRATION/SAMPLES** - If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City/County.
8. **DELIVERY** - Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise. F.O.B. to the City/County at the location specified by the City/County, with all transportation charges paid.
9. **WARRANTIES, GUARANTEES AND MAINTENANCE** - A copy of the manufacturer's warranties and/or guarantees for the items being bid must accompany your proposal. A copy of your company's maintenance policies and costs must also accompany your proposal. Replacement parts of defective components shall be shipped to the City/County at no cost. If defective parts are required to be returned to the bidder, the shipping costs shall be borne by the bidder.
10. **ACCEPTANCE OF MATERIAL** - The finished materials must be new, the latest make or model, of the best quality, unless otherwise specified, and the highest grade workmanship. The material delivered under this proposal shall remain the property of the bidder until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted by the City/County. The material delivered must be fully in accord with specification documents. In the event the material and/or services supplied to the City/County is found to be defective or does not conform to specification documents, the City/County reserve the right to cancel the order upon written notice to the bidder and return materials to bidder at the bidder's expense. Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the City of Lincoln or Lancaster County, Nebraska, as required by the contract documents or purchase orders. Selling dealer's advertising decals, stickers or other signs shall not be affixed to the equipment; vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forings, stampings, nameplates and logos are acceptable.
11. **BID EVALUATION AND AWARD** - The signed bid shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the City/County of purchase orders, contract award notifications, or other contract documents appropriate to the work. No bid shall be modified or withdrawn for a period of sixty (60) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid. In case of a discrepancy between the unit prices and their extensions, the unit price shall govern. The City/County reserve the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities, and to request rebids on the material described in the specification documents.
12. **TERMS OF PAYMENT** - Unless other specification provisions state otherwise, payment in full will be made by the City/County within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.
13. **LAWS** - The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.

# **SPECIAL PROVISIONS FOR COMMODITY TERM CONTRACTS**

## **CITY OF LINCOLN, NEBRASKA PURCHASING DIVISION**

### **1. ESTIMATED QUANTITIES**

- 1.1 The quantities set forth in the specification document are approximate and represent the estimated requirements of the City for the contract period.
- 1.2 Items listed may or may not be inclusive of City requirements for this category.
- 1.3 Category items not listed, but distributed by bidder are to be referred to as kindred items. Kindred items shall receive the same percentage of discount or pricing structure as items listed in the specification document.
- 1.4 The unit prices and the extended total prices shall be used only as a basis for the evaluation of bids. The actual quantity of materials necessary may be more or less than the estimates listed in the specification document, but the City shall be neither obligated nor limited to any specified amount. The City will, if possible, restrict increases/decreases to 20% of the estimated quantities listed in the specification document.

### **2. CONTRACT PERIOD**

- 2.1 The material shall be delivered as ordered during the contract period, beginning from the date of contract and ending one (1) year from that date, or as otherwise indicated on the proposal form.
- 2.2 The City is interested in a one (1) year contract, with the option to renew for no more than **two** (2) additional one (1) year renewals. Bidder must indicate on the proposal form if extension renewals are an option. By mutual consent of both parties it is understood and agreed that the contract may be renewed only at the same prices and/or under the same conditions governing the original contract; and any request for an increase in price or a change in the contract conditions shall be interpreted as a request not to renew the contract at the end of the current contract period.

### **3. BID PRICES**

- 3.1 Bidders must state on the proposal form if the bid prices will remain firm for the full contract period; or if the bid prices will be subject to escalation/de-escalation.
- 3.2 **Escalation/De-escalation Clause:** In the event that prevailing market conditions warrant an adjustment in bid prices contained in the contract, the following escalation/de-escalation clause shall be the only clause applicable or acceptable to the City:
  1. Contractor shall give written notice to the Purchasing Agent of any proposed changes from contract prices not less than thirty (30) calendar days prior to the effective date of said price changes.
  2. Such notice must be accompanied by a certified copy of the supplier's advisory or notification to the contractor of price changes.
  3. No price escalation will be authorized in excess of the amount of the increase referred to on the supplier's notice.
  4. The approved price change shall be honored for all orders received by the contractor after the effective date of such price change.
  5. Approved price changes are not applicable to orders already issued and in process at time of price change.
  6. The City reserves the right to audit and/or examine any pertinent books, documents, papers, records or invoices relating directly to the contract transaction in question after reasonable notice and during normal business hours.

7. The Purchasing Agent retains the right to determine whether or not such proposed price changes are in the best interests of the City.
8. If in the opinion of the Purchasing Agent any proposed increase is found unacceptable, the Purchasing Agent reserves the right to cancel the contract upon thirty (30) calendar days written notice.
9. Contractors must tie any price change clause to an industry-wide or otherwise nationally recognized index, or some other form of verifiable document. Contractor will put the Purchasing Agent on the mailing lists for such publication so that the Purchasing Agent can monitor said changes. Such membership will be at no cost to the City.

### **4. CONTRACT AWARD NOTIFICATION**

- 4.1 The Purchasing Division will issue a Contract Award Notification to all successful bidders. Such contract award notification will incorporate the City's specifications, and may incorporate the bidder's specifications.
- 4.2 No action need be taken by the contractors at time of receipt of such Contract Award Notification.
- 4.3 Orders for materials will be made as needed by the various City Departments.

### **5. QUARTERLY REPORT**

- 5.1 The contractor shall provide to the Purchasing Agent a quarterly report, showing all purchases made under the terms and conditions of the contract.
- 5.2 Such quarterly report shall itemize the following information:
  1. Each ordering department.
  2. Items and quantities purchased by department.
  3. Total dollar amount of purchases by department

### **6. TERMINATION OF CONTRACT**

- 6.1 This contract may be terminated by either party upon thirty (30) days prior notice in writing to the other party. The Owner may terminate this contract immediately, under breach of contract, if the Contractor fails to perform in accordance with the terms and conditions. In the event of any termination of contract by the Contractor, the Owner may purchase such supplies and/or services similar to those so terminated, and for the duration of the contract period the Contractor will be liable for all costs in excess of the established contract pricing.